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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.



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(54) Title: α,β -UNSATURATED HYDROXAMIC ACID DERIVATIVES AND THEIR USE AS HISTONE DEACETYLASE IN-
HIBITORS

(57) Abstract: Disclosed are agents that inhibit histone deacetylase. More specifically, the present invention relates to novel hy-
droxamic acid derivatives or pharmaceutically acceptable salts thereof for anticancer agents or other therapeutic agents based on
their histone deacetylase inhibitory activity.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 03/00721-0

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C07D 241/04, C07C 259/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN Karlsruhe: REGISTRY and CA Databases

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/22577 A2 (NOVARTIS AG) 21 March 2003 (21.03.03) <i>examples 78, 159, 160, 162 and 176.</i>	1,3-6
A	<i>claims.</i>	2
A	WO 01/38322 A1 (METHYLGENE INC.) 31 May 2001 (31.05.01) <i>claims.</i>	1,2,3,4

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

23 June 2003 (23.06.2003)

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Name and mailing address of the ISA/AT

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 03/00721-0

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claims 1 and 3-6

Claim 2: The general formula of claim 1 does not comprise the compounds of claim 2.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/KR 03/00721-0

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
WO	A	138322		none	
WO	A	222577		none	